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Material Safety Data Sheet

UPDATED 4/3/03 ns

Section 1. Chemical Product and Company Identification

Common Name	Wilsonart [®] 860/861	Code	184-1USA
Supplier	WILSONART INTERNATIONAL INC. P.O. BOX 6110 - 2400 Wilson Place, Temple, TX 76503 Telephone: 800-433-3222 (U.S.A.) or 254-207-7000	MSDS#	184-1
Synonym	Also known as: Lokweld [®] 860/861	Validation Date	08/17/1999
Trade name	Wilsonart [®] 860/861	Print Date	09/27/1999
Material Uses	Spray grade adhesive for laminate.	Responsible Name	Wilsonart International Inc.
Manufacturer	WILSONART INTERNATIONAL, INC. P.O. BOX 6110, Temple, TX 76503-6110 Information Phone: 254-207-7000 or 800-433-3222	In Case of Emergenc	CHEMTREC: 800-424-9306 (USA) 703-527-3887 (International)

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Acetone	67-64-1	15-40	TWA: 750 ppm ACGIH (TLV) [United States] STEL: 1000 ppm ACGIH (TLV) [United States]
Toluene	108-88-3	5-15	TWA: 100 ppm STEL: 150 ppm: OSHA (PEL) [United States] TWA: 50 ppm ACGIH (TLV) [United States]
Hexane isomers	N/A	15-40	TWA: 1750 mg/m ³ CEIL: 3500 mg/m ³ ACGIH (TLV) [United States] TWA: 500 ppm STEL: 1000 ppm ACGIH (TLV) [United States]
N-hexane	110-54-3	1-5	TWA: 175 mg/m ³ ACGIH (TLV) [United States] TWA: 50 ppm ACGIH (TLV) [United States]

Section 3. Hazards Identification

Physical State and Appearance	Liquid.
Emergency Overview	DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Routes of Entry	Absorbed through skin. Skin contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	Eyes This product is an eye irritant. Skin Irritating to skin. Prolonged skin contact may cause dermatitis with drying and cracking of skin. Permeator (absorbed through the intact skin). Inhalation Harmful if inhaled. Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation. Narcotic effect; may cause nervous system disturbances. Peripheral neuropathy (numbness in limbs). Severe over-exposure can result in death.

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	Ingestion Not an expected route of entry. Ingestion may cause severe gastric disturbances. May cause headache, nausea, vomiting, pain, weakness, dizziness, gastrointestinal irritation, convulsions, respiratory failure, central nervous system depression, unconsciousness, and may be fatal.
Potential Chronic Health Effects	Long term skin contact to solvents may produce defatting of the skin and dermatitis. Over-exposure by inhalation may cause respiratory irritation, central nervous system depression and peripheral nervous system effects.
Medical Conditions Aggravated by Overexposure:	Preexisting eye and skin disorders.
Overexposure / Signs/Symptoms	Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening. Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation.
See Toxicological Information (section 11)	

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Skin Contact	Wash contaminated skin with soap and water. If the product got onto the clothing portion of the body, remove the contaminated clothes as quickly as possible. Place the victim under a deluge shower. If irritation occurs, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. If irritation, or difficult breathing, persists, seek immediate medical attention.
Ingestion	Do not induce vomiting. Have conscious person drink several glasses of water or milk. NEVER give an unconscious person anything to ingest. Seek medical attention.
Notes to Physician	Sudden death due to ventricular fibrillation has been reported from acute inhalation. In chronic solvent abusers. Treat patient supportively. Life support measures should be provided because CNS depression, cardiopulmonary failure, and metabolic acidosis have been reported in massive overexposures.

Section 5. Fire Fighting Measures

Flammability of the Product	Flammable.
Auto-ignition Temperature	The lowest known value is 225°C (437°F) (Hexane isomers).
Flash Points	CLOSED CUP: -8.8689°C (16°F). (Pensky-Martens.)
Flammable Limits	LOWER: 2% UPPER: 13%
Products of Combustion	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances	Highly flammable in presence of open flames and sparks, of heat. Slightly flammable to flammable in presence of oxidizing materials, of reducing materials, of combustible materials. Non-flammable in presence of moisture.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive to explosive in presence of oxidizing materials.

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Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	No additional information.
Incompatibility with Various Substances	Reactive with acids, alkalis, combustible materials, oxidizing agents, reducing agents.
Hazardous Decomposition Products	Products of Combustion include: carbon oxides (CO, CO ₂)
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 2600 mg/kg [Rat]. (Toluene). Acute dermal toxicity (LD50): 12210 mg/kg [Rabbit]. (Toluene).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Not classifiable for human or animal. MUTAGENIC EFFECTS: Classified none for human. TERATOGENIC EFFECTS: Classified PROVEN for human [Toluene]. DEVELOPMENTAL TOXICITY: Classified Development toxin [PROVEN] [Toluene] Causes damage to the following organs: the nervous system. N-hexane is a neurotoxin. Toluene has been reported to have caused spontaneous abortion in women that intentionally concentrated and inhaled its vapors.
Other Toxic Effects on Humans	Skin contact (irritant, permeator), eye contact (irritant).
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional information.
Special Remarks on Other Toxic Effects on Humans	No additional information.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

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